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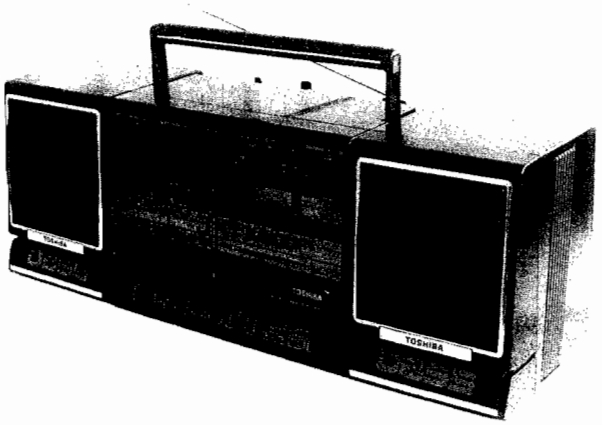
**SERVICE DATA**
**FILE NO. 110-597**

# TOSHIBA

## STEREO RADIO CASSETTE RECORDER

# RT-7057



### SPECIFICATION

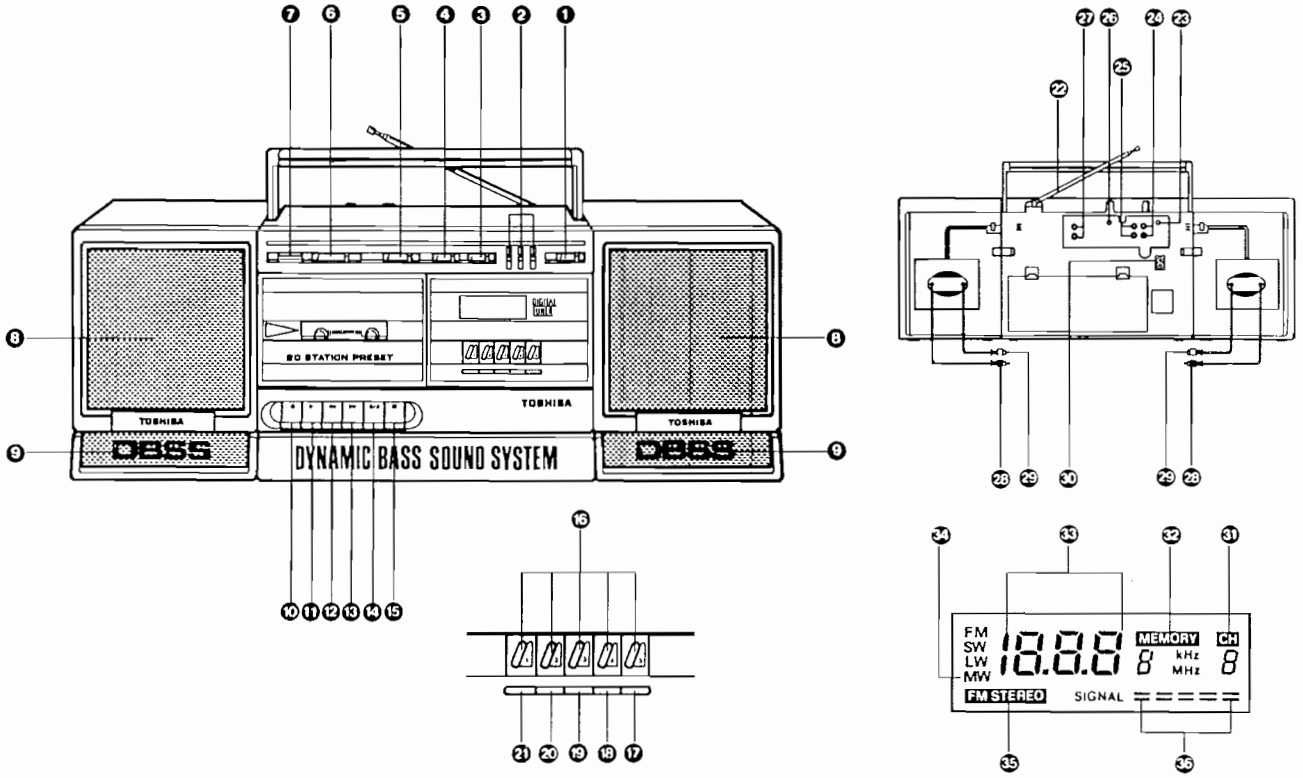
| | |
|---|---|
| **Cassette Tape Used:** | Normal: C-30 ~ C-90 |
| **Tape Speed:** | 4.8 cm/sec |
| **Track System:** | Four-track two-channel stereo-phonic |
| **Recording System:** | AC bias |
| **Erasing System:** | Magnet erasing |
| **Frequency Response:** | 60 Hz to 12 kHz |
| **Receiving Frequency:** | FM: 87.5 MHz to 108 MHz (0.05 MHz steps)<br>SW: 5.95 kHz to 15.6 MHz (0.005 kHz steps)<br>MW: 531 kHz to 1602 kHz (9 kHz steps)<br>LW: 146 kHz to 281 kHz (1 kHz steps) |
| **Intermediate Frequency:** | FM: 10.7 MHz<br>LW/MW/SW: 450 kHz |
| **Antenna:** | FM/SW: telescopic antenna<br>LW/MW: ferrite-core antenna |
| **Speakers:** | 100 mm (dia) dynamic x 4 |
| **Jack:** | [MIC] jack x 1, Impedance 200 ohm to 2k ohm<br>[AUX/CD] jack x 2<br>[MAIN SPEAKER] jack x 2, Impedance 3.2 ohm to 8 ohm<br>[PHONES] jack x 1<br>[DBSS SPEAKER] jack x 2<br>(Don't connect other speakers than supplied ones to these jacks.) |
| **Power Supply:** | AC 240 V, 50 Hz (U.K.)<br>AC 220V, 50 Hz (Europe)<br>DC 12V IEC R20 ("D" cell) x 8 |
| **For Memory Back-up:** | DC 3V IEC R6 ("AA" cell) x 2 |
| **Power consumption:** | 20W |
| **Dimensions:** | 579(W) x 210(H) x 177(D) mm |
| **Weight:** | 5.1 kg (without batteries) |

Specifications are subject to change without notice.

K/W-TE, TU

PRINTED IN JAPAN 22905747 Sept., 1987 (S)

# OPERATING CONTROLS



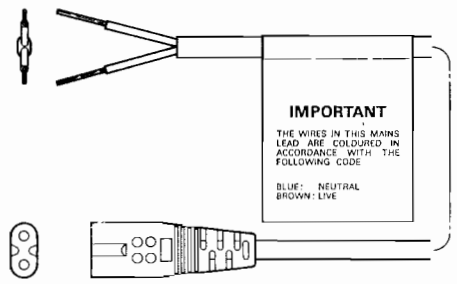

1. [ AM ] BAND] Selector
2. [GRAPHIC EQUALIZER] Controls
3. [FUNCTION] Selector
   Note: "TAPE" position (RADIO [ OFF ])
   This unit remains connect to mains supply in the "TAPE" position. Disconnect the power cord when the unit is not going to be used for a long time.
4. [FM MODE/ BEAT] Selector
5. [BALANCE] Control
6. [VOLUME] Control
7. [DBSS] Button
8. Full Range Speakers (MAIN)
9. Woofer Speakers (DBSS)
10. [RECORD] Button
11. [PLAY] Button
12. [REW] Button
13. [FF] Button
14. [STOP/EJECT] Button
15. [PAUSE] Button
16. [PRESET STATION] Buttons
17. [MEMORY] Button
18. [AUTO] Button
19. [MANUAL UP] Button
20. [FM/SW/MW FAST] Button
21. [MANUAL DOWN] Button
22. Telescopic Antenna
23. [PHONES] Jack
24. [MAIN SPEAKER] Jacks
25. [AC POWER] Socket
26. [ CH ] Indicator
27. [ MEMORY ] Indicator
28. Frequency Display
29. Band Indicator
30. [ FM STEREO ] Indicator
31. [SIGNAL] Indicator
32. [DBSS SPEAKER] Jacks
33. [MIC] Jack
34. [AUX/CD] Jacks
35. DBSS Speaker Plugs (Woofer)
    (Both right and left plugs are black.)
36. MAIN Speaker Plugs (Full Range)
    (The left plug is white and the right one is red.)

## Nameplate

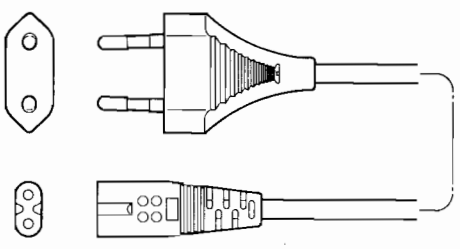
U.K.

Europe

## Power Cord




U.K.



Europe

# DISASSEMBLY INSTRUCTIONS

### SPEAKER BOX REMOVAL

1. Remove speaker plugs.
2. Release the main unit slide lock.
3. With the handle set down, pull the speaker box upward.

### FRONT CABINET REMOVAL

1. Remove the battery cover.
2. Remove five screws Ⓐ .
3. Open the cassette cover by pressing the STOP/EJECT button.
4. The Front cabinet will be removed. (Figure 1)

### MAIN PC BOARD REMOVAL

1. Remove the Record Spring.
2. Remove two screws Ⓒ in the back cabinet and the Main P.C. Board will be removed. (Figure 1)

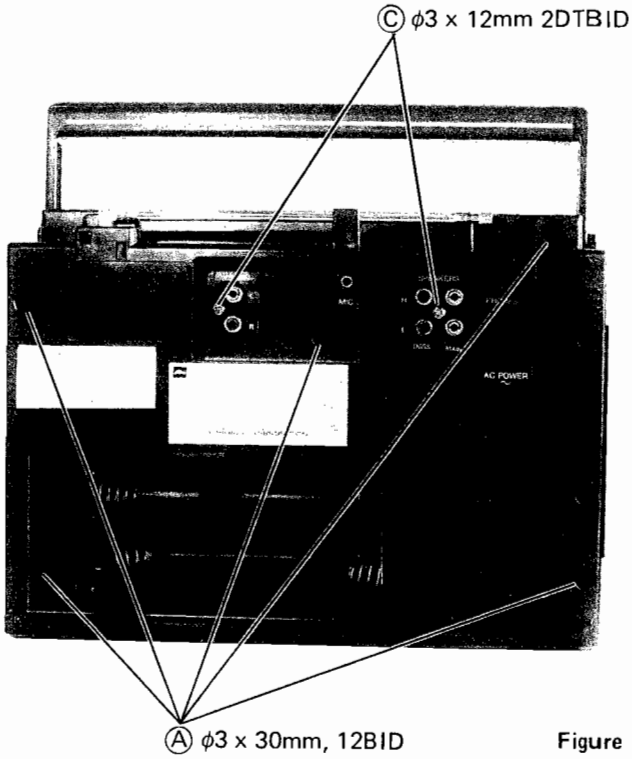



Figure 1

### MECHANISM ASSEMBLY REMOVAL

1. Remove three screws Ⓑ and the Mechanism Assembly will be removed. (Figure 2)

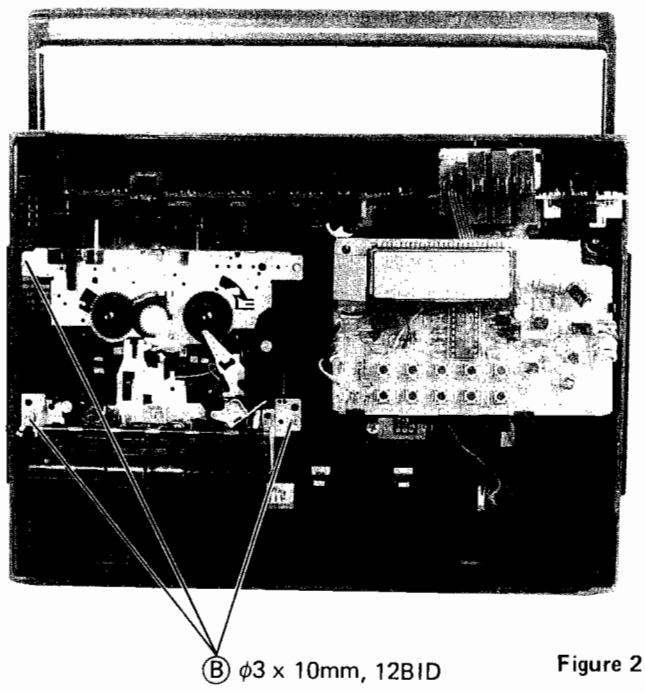



Figure 2

# ADJUSTMENTS

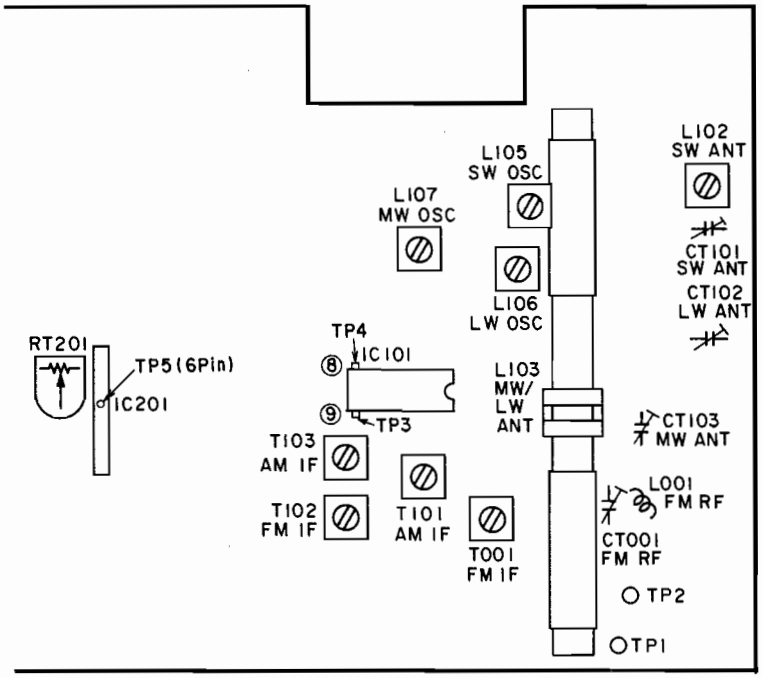



**Figure 3**

**TEST EQUIPMENT**

1. Signal generator with a frequency range of at least from 140 kHz to 18 MHz AM.
2. Oscilloscope with a side range amplifier of approximately 100 kHz.
3. Test loop – a coil of any size wire, one turn or more. (LW & MW)
4. A 30 ohm dummy antenna. (SW)
5. VTVM

**AM ALIGNMENT**

1. Turn on the AM signal generator and the VTVM allowing a fifteen-minute warm-up period.
2. Using the test loop across the output of the signal generator, inductively connect the signal generator to the radio.
3. Connect the VTVM across the phones jack.
4. Set signal generator frequency as listed in ALIGNMENT CHART and maintain a sufficient output level to provide an indication on VTVM.
5. Set volume control at mid-position.
6. Proceed as outlined in the IF-LW, MW and SW ALIGNMENT CHART.

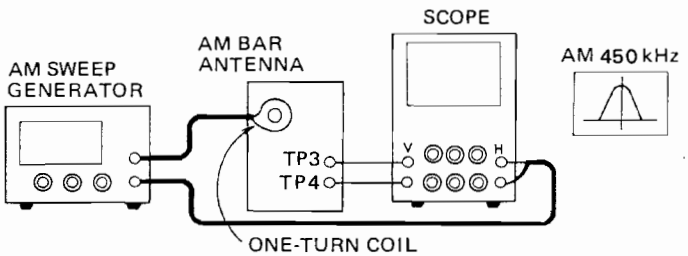



**Figure 4**

**Note:** 1. Use a screwdriver with plastic grip for all adjustments.
2. Standard test frequency 400 Hz and modulation 30% for AM.
3. Standard test frequency 400 Hz and deviation 22.5 kHz for FM.

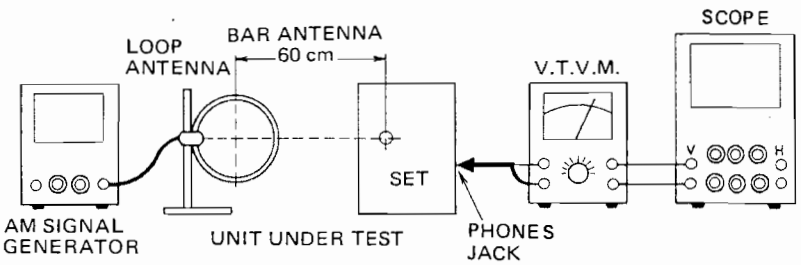



**Figure 5**

### MW ALIGNMENT CHART (Figures 4 & 5)

| Band | Step | Signal Generator Frequency | Digital Tuner Setting | Adjustment | Remarks |
|---|---|---|---|---|---|
| IF | 1 | 450 kHz | Continue pressing manual UP or Down Button to reach Lowest Frequency | T101<br>T103 | Adjust for maximum indication. |
| MW | 2 | 603 kHz | Tune to Signal. | Ant. Coil<br>L103 (MW) | Adjust for maximum indication. |
| | 3 | 1404 kHz | Tune to Signal. | Ant. Trim.<br>CT103 | Adjust for maximum indication. |
| | 4 | Repeat steps 2 and 3 as required. | | | |

### LW ALIGNMENT CHART (Figure 5)

| Band | Step | Signal Generator Frequency | Digital Tuner Setting | Adjustment | Remarks |
|---|---|---|---|---|---|
| LW | 1 | 164 kHz | Tune to Signal. | Ant. Coil<br>L103 (LW) | Adjust for maximum indication. |
| | 2 | 263 kHz | Tune to Signal. | Ant. Trim.<br>CT102 | Adjust for maximum indication. |
| | 3 | Repeat steps 1 and 2 as required. | | | |

### SW ALIGNMENT CHART (Figure 6)

| Band | Step | Signal Generator Frequency | Digital Tuner Setting | Adjustment | Remarks |
|---|---|---|---|---|---|
| SW | 1 | 6.5 MHz | Tune to Signal. | Ant. Coil<br>L102 | Adjust for maximum indication. |
| | 2 | 14 MHz | No Adjustment. | Ant. Trim.<br>CT101 | Adjust for maximum indication. |
| | 3 | Repeat steps 1 and 2 as required. | | | |

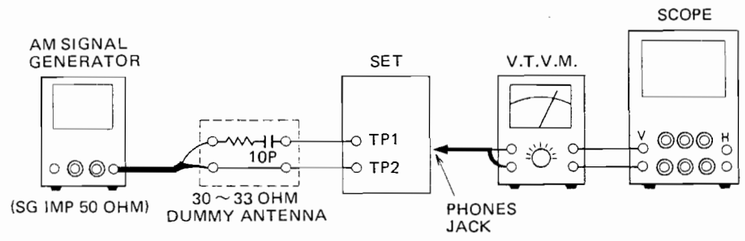



Figure 6

### FM-IF ALIGNMENT

1. Set the select switch to FM position.
2. Turn on both sweep generator and oscilloscope, and allow a fifteen-minute warm-up period.
3. Connect the RF SWEEP SIGNAL OUTPUT from the signal generator through the loop antenna to the receiver.
4. Connect the oscilloscope vertical input directly to the test point TP3 and connect the shielded lead to the test point TP4 or chassis ground.
5. Connect the SWEEP VOLTAGE OUTPUT of the sweep generator to the oscilloscope.
6. Proceed as outlined in the FM-IF ALIGNMENT CHART.



### FM-IF ALIGNMENT CHART (Figure 7)

| Step | Signal coupling | Equip. | Tuning | Connection | Adjust. point | Pattern |
|---|---|---|---|---|---|---|
| 1 | Connect sweep generator output to a three-turn loop antenna of 3 cm diameter. | Continue pressing manual UP or Down Button to reach Lowest Frequency | Tuning Knob fully counter-clockwise (Lowest Frequency.) | Set scope for connecting output signal from TUN OUT to vertical axis of scope "V" and sweep generator output to horizontal axis "H". | T001<br>T102 | Turn the IF Transformer T102 fully counterclockwise to obtain a single peak. Adjust coil T001 in order until the best single peak is obtained. Figure 8. Finally turn the coil T102 to obtain S curve. See Figure 9. |

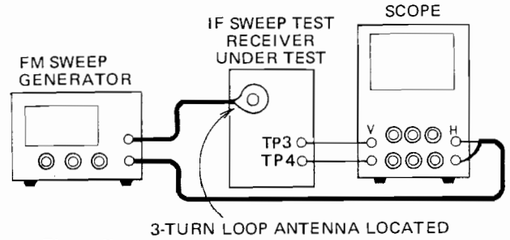



Figure 7

Figure 8

Figure 9

**CAUTION:**
When realigning the FM Receiving Frequency, the highest end of the frequency range should not be less more 108 MHz and the lowest end of the frequency range should not be less than 87.5 MHz, in order to comply with FTZ regulations in West Germany.

### FM-RF ALIGNMENT

1. Turn on the signal generator and the VTVM, and allow a fifteen-minute warm-up period.
2. Connect the signal generator output through a 75 ohm dummy antenna across FM ANT.
3. Connect the VTVM across the voice coil or headphone jack.
4. Set the volume control to mid-position.
5. Adjust the signal generator frequency as indicated in FM-RF ALIGNMENT CHART, and maintain a sufficient signal output level to provide a measurable indication.
6. Proceed as outlined in the FM-RF ALIGNMENT CHART.

### FM-RF ALIGNMENT CHART (Figure 10)

| Step | Signal Generator | Digital Tuner Setting | Adjustment | Remarks |
|---|---|---|---|---|
| 1 | 90 MHz | Tune to Signal. | Ant. Coil<br>L001 | Adjust for maximum output indication. |
| 2 | 106 MHz | Tune to Signal. | Ant Trim.<br>CT001 | Adjust for maximum output indication. |
| 3 | Repeat steps 1 and 2 as required. | | | |

### FREE RUN FREQUENCY ALIGNMENT

Adjust RT201 under no signal condition so as to obtain 38 kHz ± 75 Hz. (Figure 11)

### RECORD/PLAYBACK HEAD ADJUSTMENT

A 6.3 kHz test tape must be used for this adjustment. Connect a VTVM or an oscilloscope to the headphones jack or speaker terminal and adjust the azimuth by using a phillips screwdriver to maintain the maximum output voltage. (Figure 12.)

### TAKE-UP/SUPPLY REEL TENSION

1. Insert cassette torque meter (HARTAK X-87 Torquette).
2. Press PLAY button and read torque meter. Torque should be 30 to 60 gcm.
3. Release PLAY button and press REWIND button. Torque should be 65 to 150 gcm. If necessary, clean take-up reel or driver belt with alcohol, or replace belt.

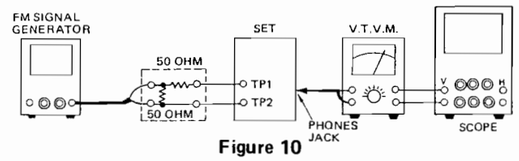



Figure 10

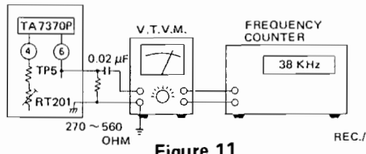



Figure 11

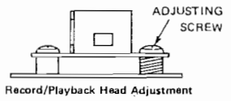
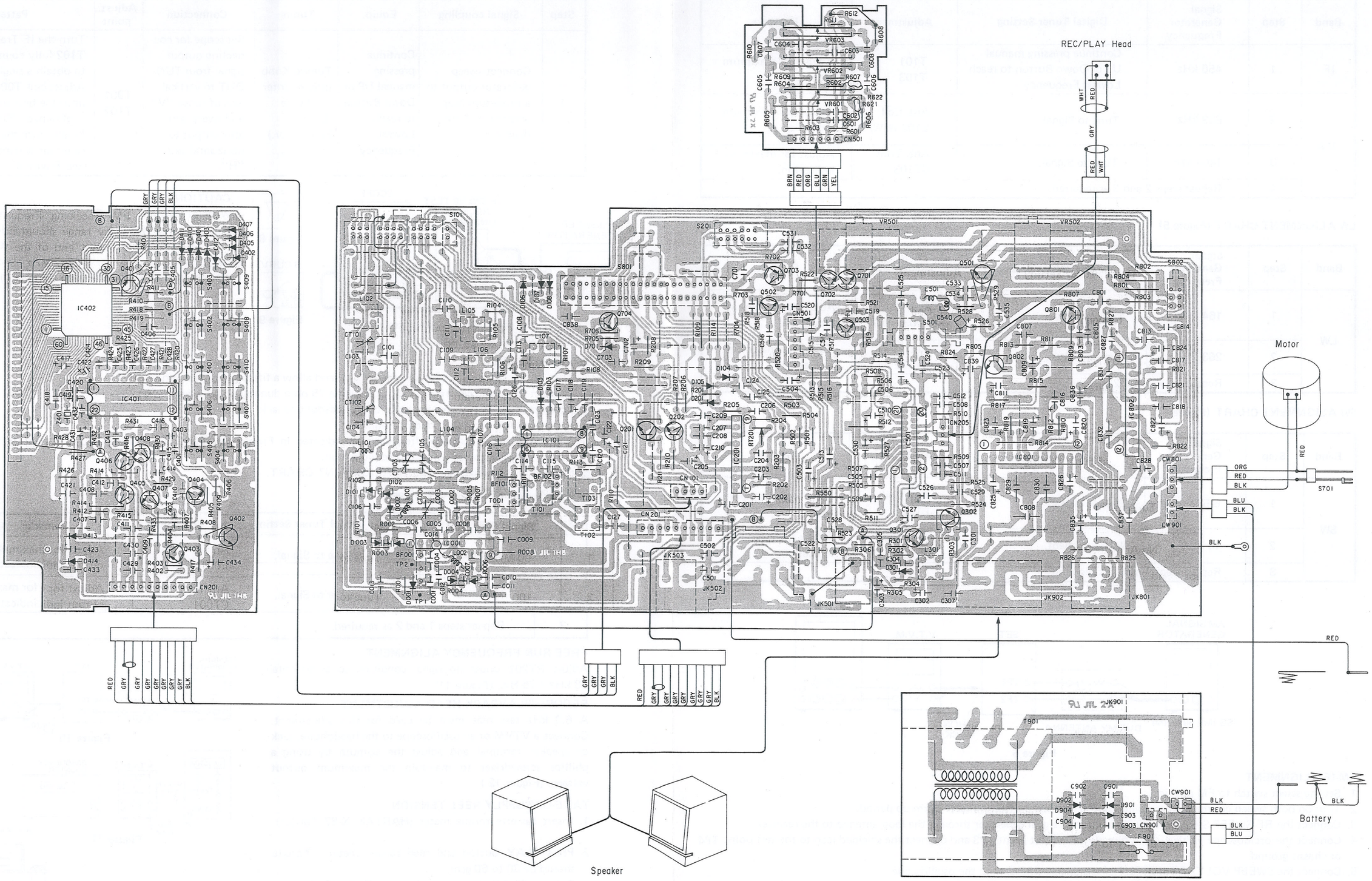
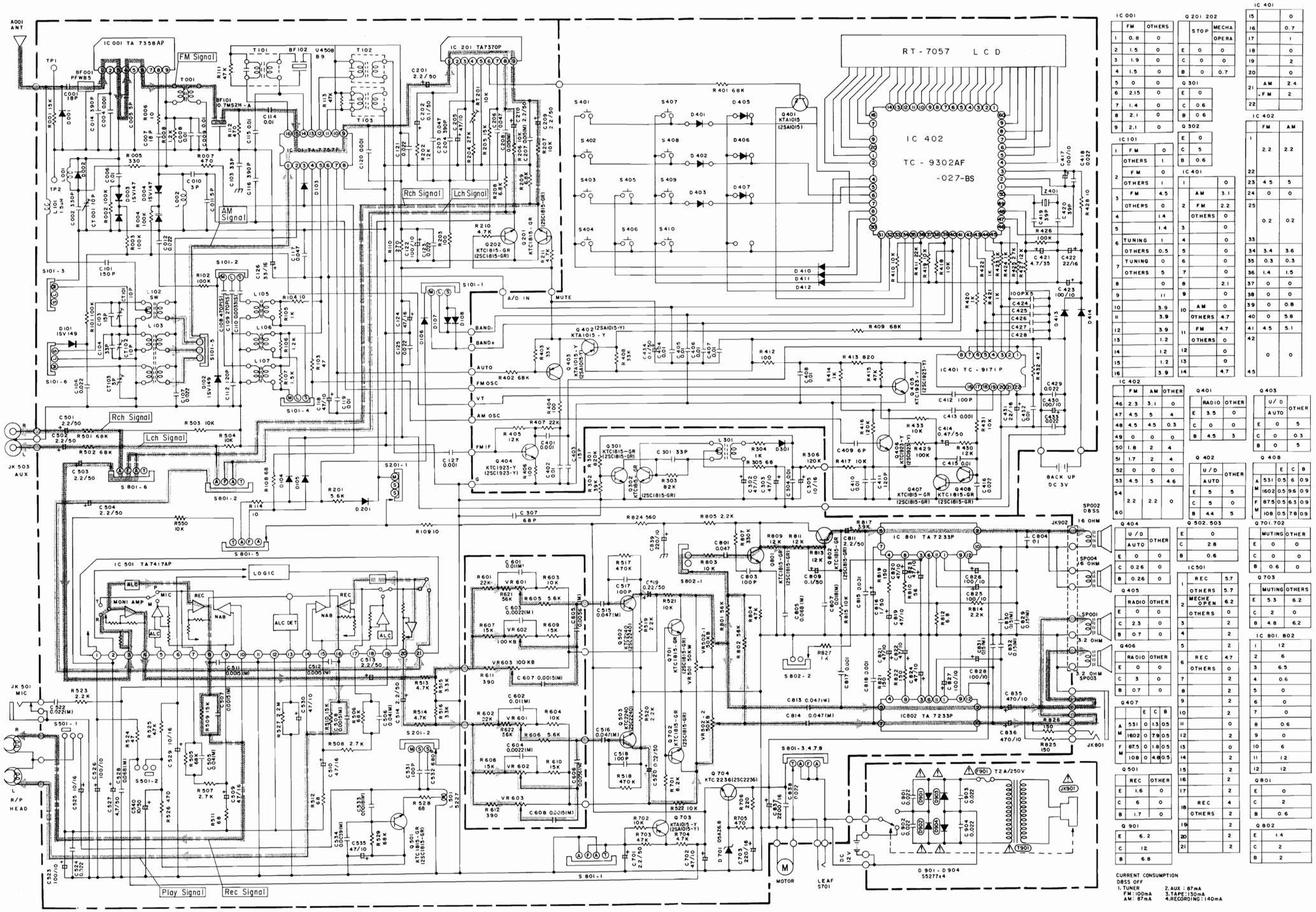



Figure 12

# ELECTRICAL PARTS LOCATIONS



# SCHEMATIC DIAGRAM




| IC 001 | FM | OTHERS |
|---|---|---|
| 1 | 0.8 | 0 |
| 2 | 1.5 | 0 |
| 3 | 1.9 | 0 |
| 4 | 1.5 | 0 |
| 5 | 0 | 0 |
| 6 | 2.15 | 0 |
| 7 | 1.4 | 0 |
| 8 | 2.1 | 0 |
| 9 | 2.1 | 0 |

| Q 201 202 | STOP | MECHA OPERA |
|---|---|---|
| E | 0 | 0 |
| C | 0 | 0 |
| B | 0 | 0.7 |

| Q 301 | |
|---|---|
| E | 0 |
| C | 0.6 |
| B | 0.6 |

| Q 302 | |
|---|---|
| E | 0 |
| C | 5 |
| B | 0.6 |

| IC 101 | FM | 0 |
|---|---|---|
| 1 | OTHERS | 1 |
| 2 | FM | 0 |
| | OTHERS | 1 |
| 3 | FM | 4.5 |
| | OTHERS | 0 |
| 4 | | 1.4 |
| 5 | | 1.4 |
| 6 | TUNING | 1 |
| | OTHERS | 0.5 |
| 7 | TUNING | 0 |
| | OTHERS | 5 |
| 8 | | 0 |
| 9 | | 11 |
| 10 | | 3.9 |
| 11 | | 3.9 |
| 12 | | 3.9 |
| 13 | | 1.2 |
| 14 | | 1.2 |
| 15 | | 1.2 |
| 16 | | 3.9 |

| IC 401 | | |
|---|---|---|
| 1 | | 0 |
| 2 | AM | 3.1 |
| | FM | 2.2 |
| | OTHERS | 0 |
| 3 | | 0 |
| 4 | | 0 |
| 5 | | 0 |
| 6 | | 0 |
| 7 | | 0 |
| 8 | | 2.1 |
| 9 | | 0 |
| 10 | AM | 0 |
| | OTHERS | 4.7 |
| 11 | FM | 4.7 |
| | OTHERS | 0 |
| 12 | | 0 |
| 13 | | 0 |
| 14 | | 4.7 |

| IC 401 | | |
|---|---|---|
| 15 | | 0 |
| 16 | | 0.7 |
| 17 | | 1 |
| 18 | | 0 |
| 19 | | 2 |
| 20 | | 0 |
| 21 | AM | 2.4 |
| | FM | 2 |
| 22 | | |

| IC 402 | FM | AM |
|---|---|---|
| 1 | 2.2 | 2.2 |
| 22 | | |
| 23 | 4.5 | 5 |
| 24 | 0 | 0 |
| 25 | 0.2 | 0.2 |
| 33 | | |
| 34 | 3.4 | 3.6 |
| 35 | 0.3 | 0.3 |
| 36 | 1.4 | 1.5 |
| 37 | 0 | 0 |
| 38 | 0 | 0 |
| 39 | 0 | 0.8 |
| 40 | 0 | 5.8 |
| 41 | 4.5 | 5.1 |
| 42 | | |
| 45 | 0 | 0 |

| IC 402 | FM | AM | OTHER |
|---|---|---|---|
| 46 | 2.3 | 3.1 | 0 |
| 47 | 4.5 | 5 | 4 |
| 48 | 4.5 | 4.5 | 0.3 |
| 49 | 0 | 0 | 0 |
| 50 | 1.8 | 2 | 4 |
| 51 | 1.7 | 2 | 4 |
| 52 | 0 | 0 | 0 |
| 53 | 4.5 | 5 | 4.6 |
| 54 | 2.2 | 2.2 | 0 |
| 60 | | | |

| Q401 | RADIO | OTHER |
|---|---|---|
| E | 3.5 | 0 |
| C | 0 | 0 |
| B | 4.5 | 3 |

| Q403 | U/D AUTO | OTHER |
|---|---|---|
| E | 0 | 5 |
| C | 0 | 0.3 |
| B | 0 | 5 |

| Q 402 | U/D AUTO | OTHER |
|---|---|---|
| E | 5 | 5 |
| C | 5 | 0 |
| B | 4.4 | 5 |

| Q 408 | | E | C | B |
|---|---|---|---|---|
| A M | 531 | 0.5 | 6 | 0.9 |
| | 1602 | 0.5 | 9.6 | 0.9 |
| F M | 87.5 | 0.5 | 6.3 | 0.9 |
| | 108 | 0.5 | 7.8 | 0.9 |

| Q 404 | U/D AUTO | OTHER |
|---|---|---|
| E | 0 | 0 |
| C | 0.26 | 0 |
| B | 0.26 | 0 |

| Q 502. 503 | |
|---|---|
| E | 0 |
| C | 2.8 |
| B | 0.6 |

| Q 701. 702 | MUTING | OTHER |
|---|---|---|
| E | 0 | 0 |
| C | 0 | 0 |
| B | 0.6 | 0 |

| Q 405 | RADIO | OTHER |
|---|---|---|
| E | 0 | 0 |
| C | 2.3 | 0 |
| B | 0.7 | 0 |

| IC501 | | |
|---|---|---|
| 1 | REC | 5.7 |
| | OTHERS | 5.7 |
| 2 | MECHE OPEN | 6.2 |
| | OTHERS | 0 |
| 3 | | 2 |
| 4 | | 2 |
| 5 | | 2 |
| 6 | REC | 4.7 |
| | OTHERS | 0 |
| 7 | | 2 |
| 8 | | 2 |
| 9 | | 2 |
| 10 | | 2 |
| 11 | | 0 |
| 12 | | 2 |
| 13 | | 0 |
| 14 | | 2 |
| 15 | | 2 |
| 16 | | 2 |
| 17 | | 2 |
| 18 | REC | 4 |
| | OTHERS | 2 |
| 19 | | 2 |
| 20 | | 2 |
| 21 | | 2 |

| Q703 | MUTING | OTHERS |
|---|---|---|
| E | 5.3 | 6.2 |
| C | 2 | 0 |
| B | 4.8 | 6.2 |

| IC 801. 802 | |
|---|---|
| 1 | 12 |
| 2 | 6 |
| 3 | 6.5 |
| 4 | 0.6 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0.6 |
| 9 | 0 |
| 10 | 6 |
| 11 | 12 |
| 12 | 12 |

| Q406 | RADIO | OTHER |
|---|---|---|
| E | 0 | 0 |
| C | 3 | 0 |
| B | 0.7 | 0 |

| Q801 | |
|---|---|
| E | 0 |
| C | 2 |
| B | 0.6 |

| Q407 | | E | C | B |
|---|---|---|---|---|
| A M | 531 | 0 | 13 | 0.5 |
| | 1602 | 0 | 7.9 | 0.5 |
| F M | 87.5 | 0 | 1.8 | 0.5 |
| | 108 | 0 | 4.8 | 0.5 |

| Q802 | |
|---|---|
| E | 1.4 |
| C | 2 |
| B | 2 |

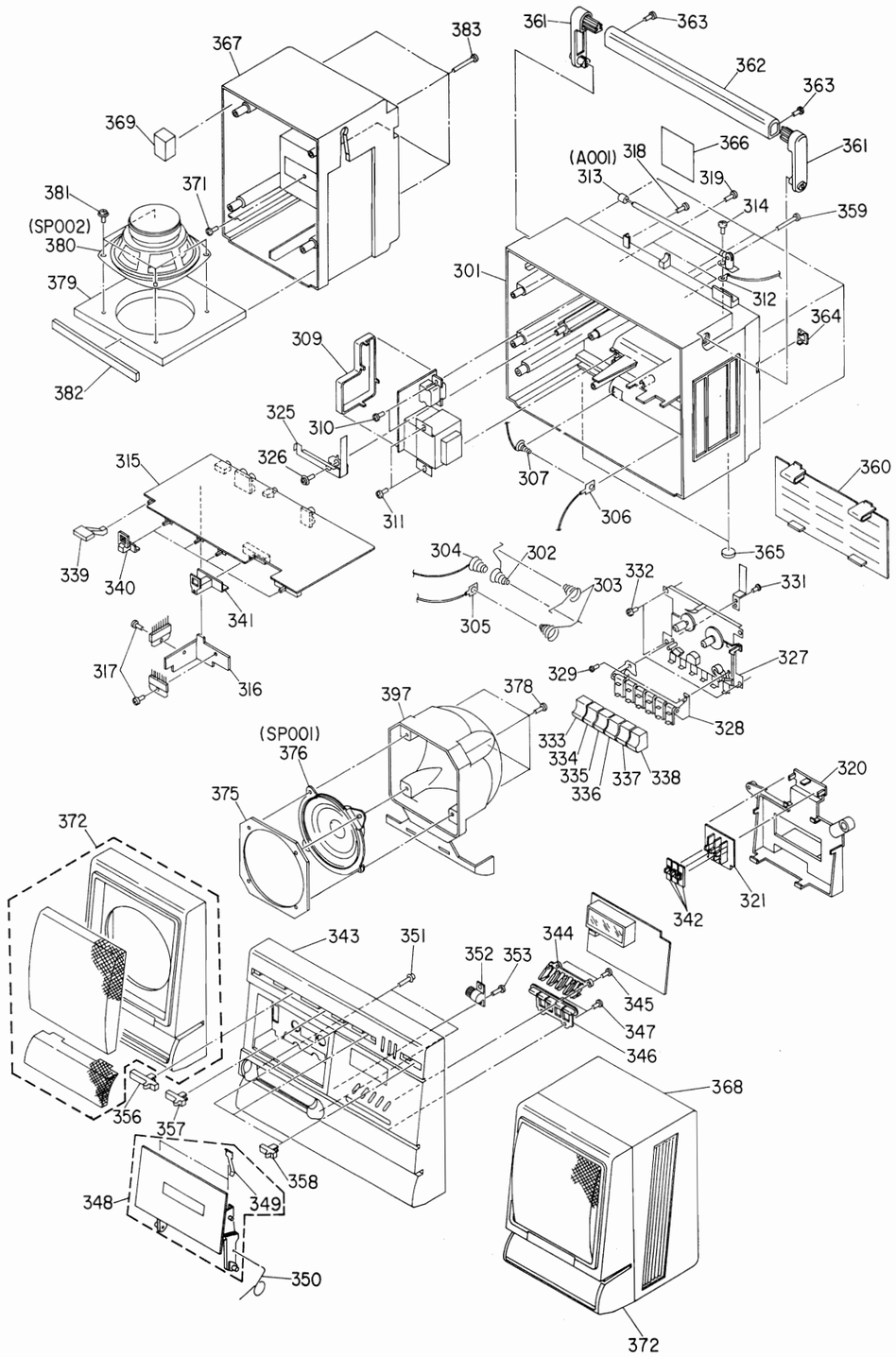
| Q501 | REC | OTHER |
|---|---|---|
| E | 1.6 | 0 |
| C | 6 | 0 |
| B | 1.7 | 0 |

| Q 901 | |
|---|---|
| E | 6.2 |
| C | 12 |
| B | 6.8 |

CURRENT CONSUMPTION
DBSS OFF
1. TUNER FM: 100mA AM: 87mA
2. AUX : 87mA
3. TAPE: 130mA
4. RECORDING: 140mA

**CAUTION:**
The ⚠ mark, the Location No. circled with oval in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

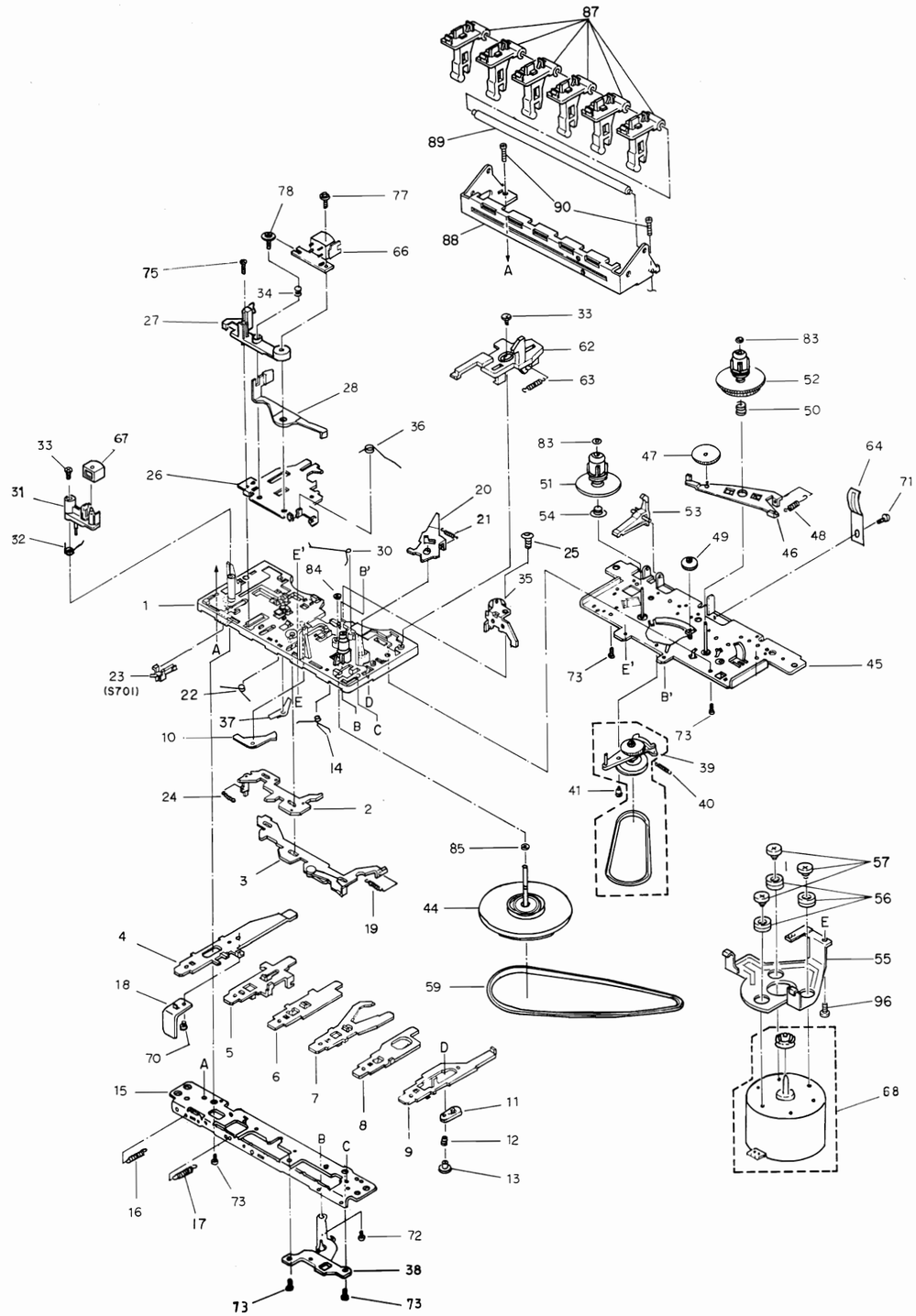
# CABINET EXPLODED VIEW




**NOTE:** Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



# MECHANISM EXPLODED VIEW




**NOTE:** Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

# MECHANISM PARTS LIST

| Location No. | Part No. | Description |
|---|---|---|
| 1 | 25781344 | BASE ASSY, MAIN |
| 2 | 25724998 | PLATE, SWITCH |
| 3 | 25784604 | ACTUATOR ASSY |
| 5 | 25784605 | LEVER, PLAY BUTTON |
| 10 | 25784496 | LEVER, REWIND |
| 11 | 25784401 | LEVER, PAUSE |
| 12 | 25776903 | SPRING |
| 13 | 25784456 | STOPPER, PAUSE |
| 14 | 25778500 | SPRING |
| 15 | 25792017 | SUB CHASSIS |
| 16 | 25776905 | SPRING |
| 17 | 25770107 | SPRING |
| 18 | 25779468 | SPRING, REC PLATE |
| 19 | 25776907 | SPRING |
| 20 | 25784494 | LEVER, AUTO |
| 21 | 25776908 | SPRING |
| 22 | 25776904 | SPRING |
| 23 | 22108017 | LEAF SWITCH S701 |
| 24 | 25776971 | SPRING |
| 25 | 22708728 | SCREW |
| 26 | 25733549 | PANEL, HEAD |
| 27 | 25733550 | BASE, HEAD |
| 28 | 25784608 | PLATE ASSY, SENCING |
| 30 | 25778326 | SPRING |
| 31 | 25747266 | ARM, MG |
| 32 | 25770082 | SPRING |
| 33 | 22708501 | SCREW, SPECIAL |
| 34 | 25778327 | SPRING |
| 35 | 25797148 | ARM ASSY, PRESSURE ROLLER |
| 36 | 25778548 | SPRING |
| 39 | 25111057 | RF PULLEY ARM ASSY |
| 40 | 25776910 | SPRING |
| 41 | 22708724 | SCREW, COLLAR |
| 44 | 25797121 | FLYWHEEL ASSY |
| 45 | 25784609 | BASE ASSY, REEL |
| 46 | 25784610 | PLATE ASSY, TAKE-UP |
| 47 | 25757202 | GEAR, TAKE-UP |
| 48 | 25776911 | SPRING |
| 49 | 25756544 | GEAR |
| 50 | 25777418 | SPRING |
| 51 | 25712476 | REEL ASSY, SUPPLY |
| 52 | 25754537 | REEL ASSY, TAKE-UP |
| 53 | 25747303 | LEVER, RECORD SAFETY |
| 54 | 25777715 | SPRING |
| 56 | 25761541 | CUSHION, MOTOR |
| 57 | 22708502 | SCREW, COLLAR, MOTOR |
| 59 | 25759142 | BELT, MAIN |
| 62 | 25784495 | LEVER, SLIDE, EJECT |
| 63 | 25776912 | SPRING |
| 64 | 25779621 | PLATE SPRING, CASSETTE |
| 66 | 22217529 | HEAD, RECORD/PLAYBACK |
| 67 | 22218311 | HEAD, ERASE |
| 68 | 22125892 | MOTOR |
| 70 | 22708010 | SCREW, 2.0X3MM, TAMS |
| 71 | 22708503 | SCREW, 2.0X3MM |
| 72 | 22708504 | SCREW, 2.0X4MM |
| 73 | 22708723 | SCREW, 2.0X5MM |
| 75 | 22701290 | SCREW, 2.0X6MM, Z, PAN |
| 77 | 22708015 | SCREW, 2.0X7MM, CAP |
| 78 | 22708507 | SCREW, 2.0X7MM, AZIMUTH |
| 83 | 25766440 | WASHER, 1.2X3.8X0.4T, PO |
| 84 | 22703441 | WASHER |
| 85 | 25766336 | WASHER |
| 87 | 25747368 | LEVER, OPERATION |
| 90 | 22708726 | SCREW, 2.0X7MM |
| 96 | 22708245 | SCREW, 2.0X5MM |

# CABINET PARTS LIST

| Location No. | Part No. | Description |
|---|---|---|
| 301 | 25889601 | CABINET ASSY, BACK, BLACK |
| 301 | 25889631 | CABINET ASSY, BACK, WHITE |
| 302 | 25777718 | SPRING, BATTERY A |
| 303 | 25777719 | SPRING, BATTERY B |
| 304 | 22771355 | SPRING, BATTERY (-) |
| 305 | 25864166 | CONTACT, BATTERY |
| 306 | 25779714 | CONTACT(CLOCK) |
| 307 | 25777733 | SPRING, BATTERY |
| 309 | 25887739 | COVER, POWER TRANSFORMER |
| 310 | 22707802 | SCREW, 3.0X12MM, Z, 2DTBID AC SOCKET |
| 311 | 22707802 | SCREW, 3.0X12MM, Z, 2DTBID POWER TRANSF. |
| 314 | 22707334 | SCREW, 3.0X14MM, Z, 12BID ANT. |
| 317 | 22708544 | SCREW, 3.0X10MM, Z, BID |
| 318 | 22707802 | SCREW, 3.0X12MM, Z, 2DTBID SP JACK |
| 319 | 22707802 | SCREW, 3.0X12MM, Z, 2DTBID AUX JACK |
| 320 | 25864553 | CHASSIS |
| 326 | 22707826 | SCREW, 3.0X10MM, Z, 2DTBID |
| 329 | 22708726 | SCREW, 2.0X7MM |
| 331 | 22701467 | SCREW, 2.6X3MM, B, BID |
| 332 | 22708556 | SCREW, 3.0X10MM, Z, 12BID |
| 333 | 25888470 | KNOB, REC, BLACK |
| 333 | 25888519 | KNOB, RED, WHITE |
| 334 | 25888471 | KNOB, PLAY, BLACK |
| 334 | 25888520 | KNOB, PLAY, WHITE |
| 335 | 25888472 | KNOB, REWIND, BLACK |
| 335 | 25888521 | KNOB, REWIND, WHITE |
| 336 | 25888473 | KNOB, FF, BLACK |
| 336 | 25888522 | KNOB, FF, WHITE |
| 337 | 25888474 | KNOB, STOP, BLACK |
| 337 | 25888523 | KNOB, STOP, WHITE |
| 338 | 25888475 | KNOB, PAUSE, BLACK |
| 338 | 25888524 | KNOB, PAUSE, WHITE |
| 339 | 25888476 | KNOB, DBSS |
| 340 | 25888482 | LINK(A) |
| 341 | 25888483 | LINK(B) |
| 342 | 25888477 | KNOB, EQUALIZER |
| 343 | 25889608 | CABINET ASSY, FRONT, BLACK |
| 343 | 25889632 | CABINET ASSY, FRONT, WHITE |
| 344 | 25888478 | KNOB, PRESET |
| 345 | 22708553 | SCREW, 2.6X8MM, Z, 2DTBID |
| 346 | 25888479 | KNOB, TUNER |
| 347 | 22708553 | SCREW, 2.6X8MM, Z, 2DTBID |
| 348 | 25889604 | DOOR ASSY, CASSETTE, BLACK |
| 348 | 25889633 | DOOR ASSY, CASSETTE, WHITE |

| Location No. | Part No. | Description |
|---|---|---|
| 349 | 25777734 | SPRING, CASSETTE HOLDER |
| 350 | 25778570 | SPRING, CASSETTE |
| 351 | 22707334 | SCREW, 3.0X14MM, Z, 12BID |
| 352 | 25885915 | DAMPER |
| 353 | 22708556 | SCREW, 3.0X10MM, Z, 12BID |
| 356 | 25888484 | LINK, VOLUME |
| 357 | 25888480 | KNOB, BALANCE |
| 358 | 25888481 | KNOB, FUNCTION |
| 359 | 22707552 | SCREW, 3.0X30MM, Z, 12BID |
| 360 | 25887738 | COVER, BATTERY, BLACK |
| 360 | 25887759 | COVER, BATTERY, WHITE |
| 361 | 25875065 | HOLDER, HANDLE, BLACK |
| 361 | 25875068 | HOLDER, HANDLE, WHITE |
| 362 | 25825405 | BAR, HANDLE, BLACK |
| 362 | 25825406 | BAR, HANDLE, WHITE |
| 363 | 22708556 | SCREW, 3.0X10MM, Z, 12BID |
| 364 | 25844432 | LOCKER, SPEAKER |
| 365 | 25875066 | FOOT |
| 366 | 25809843 | NAME LABEL (EUROPE) |
| 366 | 25809844 | NAME LABEL (UK) |
| 367 | 25887740 | CABINET, BACK, SPEAKER, L, BLACK |
| 367 | 25887757 | CABINET, BACK, SPEAKER, L, WHITE |
| 368 | 25887741 | CABINET, BACK, SPEAKER, R, BLACK |
| 368 | 25887758 | CABINET, BACK, SPEAKER, R, WHITE |
| 371 | 22708556 | SCREW, 3.0X10MM, Z, 12BID |
| 372 | 25889603 | CABINET ASSY, FRONT, SPEAKER, BLACK |
| 372 | 25889634 | CABINET ASSY, FRONT, SPEAKER, WHITE |
| 378 | 22707334 | SCREW, 3.0X14MM, Z, 12BID |
| 381 | 22707467 | SCREW, 4.0X8MM, Z, 12BID |
| 383 | 22707552 | SCREW, 3.0X30MM, Z, BID |

# PARTS LIST

**CAUTION:**
The ⚠ mark, the Location No. circled with oval in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

**ABBREVIATIONS**

1. **CAPACITOR:** CD = Ceramic Disk, PF = Plastic Film, BL = Barrier Layer, EL = Electrolytic, MY = Mylar, PP = Polypropylene, PS = Polystyrene, TT = Tantalum, PE = Polyethylene
   MFD = Microfarad, PF = Picofarad, V = Voltage, NP = Non Polarity
2. **RESISTOR:** CF = Carbon Film, CC = Carbon Composition, OMF = Oxide Metal Film, MF = Metal Film
   K = Kilo (1000), M = Mega (1000000)
3. **TOLERANCE**

| Symbol | G | J | K | M | N | Z | P |
|---|---|---|---|---|---|---|---|
| % | ±2 | ±5 | ±10 | ±20 | ±30 | −20+80 | 0+100 |

| Symbol | C | D |
|---|---|---|
| pF | ±0.25 | ±0.5 |

| Location No. | Part No. | Description |
|---|---|---|
| **IC/TRANSISTORS** | | |
| IC001 | B0325502 | IC, TA7358AP |
| IC101 | B0358070 | IC, TA7757P |
| IC201 | B0325620 | IC, TA7370P |
| IC401 | B0411710 | IC, TC9171P |
| IC402 | 22117888 | IC, TC9302AF-027-BS |
| IC501 | B0326215 | IC, TA7417AP |
| IC801 | B0319970 | IC, TA7233P |
| IC802 | B0319970 | IC, TA7233P |
| Q201 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q202 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q301 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q302 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q401 | A6534040 | TRANSISTOR, 2SA1015-Y |
| Q402 | A6534040 | TRANSISTOR, 2SA1015-Y |
| Q403 | A6534040 | TRANSISTOR, 2SA1015-Y |
| Q404 | A6319040 | TRANSISTOR, 2SC1923-Y |
| Q405 | A6319040 | TRANSISTOR, 2SC1923-Y |
| Q406 | A6319040 | TRANSISTOR, 2SC1923-Y |
| Q407 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q408 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q501 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q502 | A6325825 | TRANSISTOR, 2SC2240NEW-GR |
| Q503 | A6325825 | TRANSISTOR, 2SC2240NEW-GR |
| Q701 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q702 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q703 | A6534040 | TRANSISTOR, 2SA1015-Y |
| Q704 | A6325500 | TRANSISTOR, 2SC2236 |
| Q801 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| Q802 | A6317460 | TRANSISTOR, 2SC1815NEW-GR |
| **DIODES** | | |
| D001 | A7180000 | DIODE, 1N4148 |
| D002 | A7180000 | DIODE, 1N4148 |
| D003 | 22119245 | DIODE, 1SV147, PAIR |
| D004 | 22119245 | DIODE, 1SV147, PAIR |
| D101 | 22119207 | DIODE, 1SV149 (PAIR) |
| D102 | 22119207 | DIODE, 1SV149 (PAIR) |
| D103 | A7180000 | DIODE, 1N4148 |
| D104 | A7180000 | DIODE, 1N4148 |
| D105 | A7180000 | DIODE, 1N4148 |
| D107 | A7180000 | DIODE, 1N4148 |
| D108 | A7180000 | DIODE, 1N4148 |
| D201 | A7180000 | DIODE, 1N4148 |
| D301 | A7180000 | DIODE, 1N4148 |
| D401 | A7180000 | DIODE, 1N4148 |
| D402 | A7180000 | DIODE, 1N4148 |
| D403 | A7180000 | DIODE, 1N4148 |
| D405 | A7180000 | DIODE, 1N4148 |
| D406 | A7180000 | DIODE, 1N4148 |
| D407 | A7180000 | DIODE, 1N4148 |
| D410 | A7180000 | DIODE, 1N4148 |
| D411 | A7180000 | DIODE, 1N4148 |
| D412 | A7180000 | DIODE, 1N4148 |
| D413 | A7180000 | DIODE, 1N4148 |
| D414 | A7180000 | DIODE, 1N4148 |
| D701 | A7112540 | DIODE, 05AZ6.8, ZENER |
| ⚠ D901 | A7978380 | DIODE, S5277B |
| ⚠ D902 | A7978380 | DIODE, S5277B |
| ⚠ D903 | A7978380 | DIODE, S5277B |
| ⚠ D904 | A7978380 | DIODE, S5277B |
| **ELECTRICAL PARTS** | | |
| A001 | 22124805 | ROD ANTENNA |
| BF001 | 22153121 | FILTER, FM RF, PFWB5 |
| BF101 | 22153257 | FILTER, CERAMIC, FM, 10.7MHZ |
| BF102 | 22153424 | FILTER, CERAMIC, AM, 450KHZ |
| ⚠ F901 | 22144378 | FUSE, 250V, 2A (EUROPE) |
| ⚠ F901 | 22144517 | FUSE, 250V, 2A (UK) |
| FH901 | 22165047 | HOLDER, FUSE |
| JK501 | 22198350 | JACK MICROPHONE |
| JK503 | 22198346 | JACK, US-2P AUX |
| JK801 | 22198351 | JACK HEADPHONE |

| Location No. | Part No. | Description |
|---|---|---|
| ⚠ JK901 | 22169187 | AC SOCKET |
| JK902 | 22198352 | JACK SPEAKER |
| L001 | 22294649 | COIL, ANTENNA |
| L002 | 22294584 | COIL, OSCILLATOR |
| L101 | 22211339 | CHOKE COIL, 1.5UH |
| L102 | 22282270 | COIL, ANTENNA SW |
| L103 | 22243098 | COIL, BAR ANTENNA LW/MW |
| L105 | 22285369 | COIL, OSCILLATOR SW |
| L106 | 22285079 | COIL, OSCILLATOR LW |
| L107 | 22235283 | COIL, OSCILLATOR MW |
| L301 | 22215143 | COIL, OSCILLATOR |
| L501 | 22235227 | COIL, OSCILLATOR TAPE BIAS |
| LCD1 | 22104706 | DISPLAY, LIQUID CRYSTAL |
| S101 | 22195693 | SLIDE SWITCH AM BAND SELECT |
| S201 | 22108060 | SLIDE SWITCH MODE |
| S401 | 22108063 | TACT SWITCH M3 |
| S402 | 22108063 | TACT SWITCH M2 |
| S403 | 22108063 | TACT SWITCH M1 |
| S404 | 22108063 | TACT SWITCH MEMORY |
| S405 | 22108063 | TACT SWITCH M5 |
| S406 | 22108063 | TACT SWITCH M4 |
| S407 | 22108063 | TACT SWITCH AUTO |
| S408 | 22108063 | TACT SWITCH FAST |
| S409 | 22108063 | TACT SWITCH DOWN |
| S410 | 22108063 | TACT SWITCH UP |
| S501 | 22108039 | SLIDE SWITCH REC./PLAY |
| S701 | 22108017 | LEAF SWITCH MOTOR ON/OFF |
| S801 | 22108061 | SLIDE SWITCH FUNCTION |
| S802 | 22108062 | PUSH SWITCH DBSS ON/OFF |
| SP001 | 22152747 | SPEAKER, 10CM, 3.2 OHM, BLACK |
| SP001 | 22152759 | SPEAKER, 10CM, 3.2 OHM, WHITE |
| SP002 | 22152748 | SPEAKER, 10CM, 16 OHM DBSS |
| SP003 | 22152747 | SPEAKER, 10CM, 3.2 OHM, BLACK |
| SP003 | 22152759 | SPEAKER, 10CM, 3.2 OHM, WHITE |
| SP004 | 22152748 | SPEAKER, 10CM, 16 OHM DBSS |
| T001 | 22265895 | IF TRANSFORMER, FM |
| T101 | 22264837 | IF TRANSFORMER, AM |
| T102 | 22224752 | IF TRANSFORMER, FM |
| T103 | 22264837 | IF TRANSFORMER, AM |
| ⚠ T901 | 22224989 | POWER TRANSFORMER (EUROPE) |
| ⚠ T901 | 22224990 | POWER TRANSFORMER (UK) |
| Z401 | 22153519 | OSCILLATOR, CRYSTAL, 7.2MHZ |

## CAPACITORS

| | | |
|---|---|---|
| C001 | 20311180 | CD, 18PF, 50V, J |
| C002 | 20343331 | CD, 330PF, 50V, K |
| C004 | 20343102 | CD, 1000PF, 50V, K |
| C005 | 20311509 | CD, 5PF, 50V, D |
| C006 | 20341103 | CD, 0.01MFD, 50V, Z |
| C007 | 20311330 | CD, 33PF, 50V, J |
| C008 | 20341103 | CD, 0.01MFD, 50V, Z |
| C009 | 20341103 | CD, 0.01MFD, 50V, Z |
| C010 | 20311309 | CD, 3PF, 50V, D |
| C011 | 20311509 | CD, 5PF, 50V, D |
| C012 | 20341223 | CD, 0.022MFD, 50V, Z |
| C013 | 20312330 | CD, 33PF, 50V, J (CH) |
| C014 | 20311391 | CD, 390PF, 50V, J |
| C101 | 20311151 | CD, 150PF, 50V, J |
| C103 | 20311150 | CD, 15PF, 50V, J |
| C104 | 20311330 | CD, 33PF, 50V, J |
| C106 | 20341223 | CD, 0.022MFD, 50V, Z |
| C107 | 20341223 | CD, 0.022MFD, 50V, Z |
| C108 | 20381471 | PP, 470PF, 100V, J |
| C109 | 20381271 | PP, 270PF, 100V, J |
| C110 | 22321118 | PP, 3300PF, 100V, J |
| C112 | 20311121 | CD, 120PF, 50V, J |
| C114 | 20341103 | CD, 0.01MFD, 50V, Z |
| C115 | 20341103 | CD, 0.01MFD, 50V, Z |
| C116 | 20312391 | CD, 390PF, 50V, J (CH) |
| C117 | 20341473 | CD, 0.047MFD, 50V, Z |
| C118 | 20414470 | EL, 47MFD, 10V |
| C119 | 20341103 | CD, 0.01MFD, 50V, Z |
| C120 | 20343102 | CD, 1000PF, 50V, K |
| C121 | 20341223 | CD, 0.022MFD, 50V, Z |
| C122 | 20414101 | EL, 100MFD, 10V |

| Location No. | Part No. | Description |
|---|---|---|
| C123 | 20341223 | CD, 0.022MFD, 50V, Z |
| C124 | 20415470 | EL, 47MFD, 16V |
| C125 | 20341223 | CD, 0.022MFD, 50V, Z |
| C126 | 20415330 | EL, 33MFD, 16V |
| C127 | 20343102 | CD, 1000PF, 50V, K |
| C201 | 20418229 | EL, 2.2MFD, 50V |
| C202 | 20418108 | EL, 0.1MFD, 50V |
| C203 | 20341473 | CD, 0.047MFD, 50V, Z |
| C204 | 20381391 | PP, 390PF, 100V, J |
| C205 | 20414470 | EL, 47MFD, 10V |
| C206 | 20341473 | CD, 0.047MFD, 50V, Z |
| C207 | 20371153 | MY, 0.015MFD, 50V, J |
| C208 | 20371153 | MY, 0.015MFD, 50V, J |
| C209 | 20418229 | EL, 2.2MFD, 50V |
| C210 | 20418229 | EL, 2.2MFD, 50V |
| C301 | 20311330 | CD, 33PF, 50V, J |
| C302 | 20414470 | EL, 47MFD, 10V |
| C303 | 20414470 | EL, 47MFD, 10V |
| C304 | 20341103 | CD, 0.01MFD, 50V, Z |
| C305 | 20415100 | EL, 10MFD, 16V |
| C307 | 20311680 | CD, 68PF, 50V, J |
| C401 | 20343102 | CD, 1000PF, 50V, K |
| C402 | 20341103 | CD, 0.01MFD, 50V, Z |
| C403 | 20311150 | CD, 15PF, 50V, J |
| C404 | 20341103 | CD, 0.01MFD, 50V, Z |
| C405 | 20341103 | CD, 0.01MFD, 50V, Z |
| C406 | 20341103 | CD, 0.01MFD, 50V, Z |
| C407 | 20341103 | CD, 0.01MFD, 50V, Z |
| C408 | 20341103 | CD, 0.01MFD, 50V, Z |
| C409 | 20311609 | CD, 6PF, 50V, J |
| C410 | 20341103 | CD, 0.01MFD, 50V, Z |
| C411 | 20343121 | CD, 120PF, 50V, K |
| C412 | 20343101 | CD, 100PF, 50V, K |
| C413 | 20343102 | CD, 1000PF, 50V, K |
| C414 | 20418478 | EL, 0.47MFD, 50V |
| C415 | 20341103 | CD, 0.01MFD, 50V, Z |
| C416 | 20341223 | CD, 0.022MFD, 50V, Z |
| C417 | 20414101 | EL, 100MFD, 10V |
| C418 | 20341223 | CD, 0.022MFD, 50V, Z |
| C419 | 20311390 | CD, 39PF, 50V, J |
| C420 | 20311390 | CD, 39PF, 50V, J |
| C421 | 20417479 | EL, 4.7MFD, 35V |
| C422 | 20415220 | EL, 22MFD, 16V |
| C423 | 20414101 | EL, 100MFD, 10V |
| C424 | 20343101 | CD, 100PF, 50V, K |
| C425 | 20343101 | CD, 100PF, 50V, K |
| C426 | 20343101 | CD, 100PF, 50V, K |
| C427 | 20343101 | CD, 100PF, 50V, K |
| C428 | 20343101 | CD, 100PF, 50V, K |
| C429 | 20341223 | CD, 0.022MFD, 50V, Z |
| C430 | 20414101 | EL, 100MFD, 10V |
| C431 | 20415220 | EL, 22MFD, 16V |
| C432 | 20341103 | CD, 0.01MFD, 50V, Z |
| C433 | 20341223 | CD, 0.022MFD, 50V, Z |
| C434 | 20418108 | EL, 0.1MFD, 50V |

| Location No. | Part No. | Description |
|---|---|---|
| C501 | 20418229 | EL, 2.2MFD, 50V |
| C502 | 20418229 | EL, 2.2MFD, 50V |
| C503 | 20418229 | EL, 2.2MFD, 50V |
| C504 | 20418229 | EL, 2.2MFD, 50V |
| C505 | 20371393 | MY, 0.039MFD, 50V, J |
| C506 | 20371393 | MY, 0.039MFD, 50V, J |
| C507 | 20371152 | MY, 1500PF, 50V, J |
| C508 | 20371152 | MY, 1500PF, 50V, J |
| C509 | 20418470 | EL, 47MFD, 16V |
| C510 | 20418470 | EL, 47MFD, 16V |
| C511 | 20371152 | MY, 1500PF, 50V, J |
| C512 | 20371152 | MY, 1500PF, 50V, J |
| C513 | 20418229 | EL, 2.2MFD, 50V |
| C514 | 20418229 | EL, 2.2MFD, 50V |
| C515 | 20371473 | MY, 0.047MFD, 50V, J |
| C516 | 20371473 | MY, 0.047MFD, 50V, J |
| C517 | 20343101 | CD, 100PF, 50V, K |
| C518 | 20343101 | CD, 100PF, 50V, K |
| C519 | 20418228 | EL, 0.22MFD, 50V |
| C520 | 20418228 | EL, 0.22MFD, 50V |
| C522 | 20371223 | MY, 0.022MFD, 50V, J |
| C523 | 20414101 | EL, 100MFD, 10V |
| C524 | 20341223 | CD, 0.022MFD, 50V, Z |
| C525 | 20415100 | EL, 10MFD, 16V |
| C526 | 20414101 | EL, 100MFD, 10V |
| C527 | 20418479 | EL, 4.7MFD, 50V |
| C528 | 20371683 | MY, 0.068MFD, 50V, J |
| C529 | 20415100 | EL, 10MFD, 16V |
| C530 | 20414470 | EL, 47MFD, 10V |
| C531 | 20343101 | CD, 100PF, 50V, K |
| C532 | 20343681 | CD, 680PF, 50V, K |
| C533 | 20371182 | MY, 1800PF, 50V, J |
| C534 | 20371392 | MY, 3900PF, 50V, J |
| C535 | 20414470 | EL, 47MFD, 10V |
| C540 | 20418100 | EL, 10MFD, 50V |
| C601 | 20371103 | MY, 0.01MFD, 50V, J |
| C602 | 20371103 | MY, 0.01MFD, 50V, J |
| C603 | 20371222 | MY, 2200PF, 50V, J |
| C604 | 20371222 | MY, 2200PF, 50V, J |
| C605 | 20371562 | MY, 5600PF, 50V, J |
| C606 | 20371562 | MY, 5600PF, 50V, J |
| C607 | 20371152 | MY, 1500PF, 50V, J |
| C608 | 20371152 | MY, 1500PF, 50V, J |
| C701 | 20418229 | EL, 2.2MFD, 50V |
| C702 | 20414470 | EL, 47MFD, 10V |
| C703 | 20415221 | EL, 220MFD, 16V |
| C801 | 20371473 | MY, 0.047MFD, 50V, J |
| C803 | 20343101 | CD, 100PF, 50V, K |
| C804 | 20371104 | MY, 0.1MFD, 50V, J |
| C805 | 20371683 | MY, 0.068MFD, 50V, J |
| C807 | 20371183 | MY, 0.018MFD, 50V, J |
| C808 | 20371104 | MY, 0.1MFD, 50V, J |
| C809 | 20418108 | EL, 0.1MFD, 50V |
| C811 | 20418229 | EL, 2.2MFD, 50V |
| C813 | 20371473 | MY, 0.047MFD, 50V, J |

| Location No. | Part No. | Description |
|---|---|---|
| C814 | 20371473 | MY, 0.047MFD, 50V, J |
| C815 | 20343102 | CD, 1000PF, 50V, K |
| C816 | 20418109 | EL, 1MFD, 50V |
| C817 | 20343102 | CD, 1000PF, 50V, K |
| C818 | 20343102 | CD, 1000PF, 50V, K |
| C819 | 20414470 | EL, 47MFD, 10V |
| C820 | 20414470 | EL, 47MFD, 10V |
| C821 | 20414470 | EL, 47MFD, 10V |
| C822 | 20414470 | EL, 47MFD, 10V |
| C823 | 20414470 | EL, 47MFD, 10V |
| C824 | 20414470 | EL, 47MFD, 10V |
| C825 | 20414101 | EL, 100MFD, 10V |
| C826 | 20414101 | EL, 100MFD, 10V |
| C827 | 20414101 | EL, 100MFD, 10V |
| C828 | 20414101 | EL, 100MFD, 10V |
| C829 | 20371154 | MY, 0.15MFD, 100V, J |
| C830 | 20371154 | MY, 0.15MFD, 100V, J |
| C831 | 20371154 | MY, 0.15MFD, 100V, J |
| C832 | 20371154 | MY, 0.15MFD, 100V, J |
| C835 | 20414471 | EL, 470MFD, 10V |
| C836 | 20414471 | EL, 470MFD, 10V |
| C837 | 20415222 | EL, 2200MFD, 16V |
| C838 | 20341223 | CD, 0.022MFD, 50V, Z |
| C839 | 20414221 | EL, 220MFD, 10V |
| C901 | 20341223 | CD, 0.022MFD, 50V, Z |
| C902 | 20341223 | CD, 0.022MFD, 50V, Z |
| C903 | 20341223 | CD, 0.022MFD, 50V, Z |
| C904 | 20341223 | CD, 0.022MFD, 50V, Z |
| CT001 | 22309274 | TRIMMER<br>FM ANT. |
| CT101 | 22309276 | TRIMMER, 5PF<br>SW ANT. |
| CT102 | 22309274 | TRIMMER<br>LW ANT. |
| CT103 | 22309274 | TRIMMER<br>MW ANT. |

## RESISTORS

| Location No. | Part No. | Description |
|---|---|---|
| R001 | 20512153 | CF, 15K OHM, 1/6W, J |
| R002 | 20512104 | CF, 100K OHM, 1/6W, J |
| R003 | 20512104 | CF, 100K OHM, 1/6W, J |
| R004 | 20512104 | CF, 100K OHM, 1/6W, J |
| R005 | 20512331 | CF, 330 OHM, 1/6W, J |
| R006 | 20512100 | CF, 10 OHM, 1/6W, J |
| R007 | 20512471 | CF, 470 OHM, 1/6W, J |
| R008 | 20512122 | CF, 1.2K OHM, 1/6W, J |
| R101 | 20512104 | CF, 100K OHM, 1/6W, J |
| R102 | 20512104 | CF, 100K OHM, 1/6W, J |
| R103 | 20512470 | CF, 47 OHM, 1/6W, J |
| R104 | 20512100 | CF, 10 OHM, 1/6W, J |
| R105 | 20512102 | CF, 1K OHM, 1/6W, J |
| R106 | 20512122 | CF, 1.2K OHM, 1/6W, J |
| R107 | 20512152 | CF, 1.5K OHM, 1/6W, J |
| R108 | 20512680 | CF, 68 OHM, 1/6W, J |
| R109 | 20512100 | CF, 10 OHM, 1/6W, J |
| R110 | 20512271 | CF, 270 OHM, 1/6W, J |
| R111 | 20512473 | CF, 47K OHM, 1/6W, J |
| R112 | 20512471 | CF, 470 OHM, 1/6W, J |
| R113 | 20512473 | CF, 47K OHM, 1/6W, J |
| R114 | 20512100 | CF, 10 OHM, 1/6W, J |
| R201 | 20512562 | CF, 5.6K OHM, 1/6W, J |
| R202 | 20512123 | CF, 12K OHM, 1/6W, J |
| R203 | 20512101 | CF, 100 OHM, 1/6W, J |
| R204 | 20512273 | CF, 27K OHM, 1/6W, J |
| R205 | 20512153 | CF, 15K OHM, 1/6W, J |
| R206 | 20512103 | CF, 10K OHM, 1/6W, J |
| R207 | 20512103 | CF, 10K OHM, 1/6W, J |
| R208 | 20512682 | CF, 6.8K OHM, 1/6W, J |
| R209 | 20512682 | CF, 6.8K OHM, 1/6W, J |
| R210 | 20512472 | CF, 4.7K OHM, 1/6W, J |
| R211 | 20512472 | CF, 4.7K OHM, 1/6W, J |
| R301 | 20512824 | CF, 820K OHM, 1/6W, J |
| R302 | 20512393 | CF, 39K OHM, 1/6W, J |
| R303 | 20512823 | CF, 82K OHM, 1/6W, J |
| R304 | 20512102 | CF, 1K OHM, 1/6W, J |
| R305 | 20512680 | CF, 68 OHM, 1/6W, J |
| R306 | 20512124 | CF, 120K OHM, 1/6W, J |
| R401 | 20512683 | CF, 68K OHM, 1/6W, J |
| R402 | 20512683 | CF, 68K OHM, 1/6W, J |
| R403 | 20512333 | CF, 33K OHM, 1/6W, J |
| R404 | 20512101 | CF, 100 OHM, 1/6W, J |
| R405 | 20512123 | CF, 12K OHM, 1/6W, J |
| R406 | 20512101 | CF, 100 OHM, 1/6W, J |
| R407 | 20512223 | CF, 22K OHM, 1/6W, J |
| R408 | 20512333 | CF, 33K OHM, 1/6W, J |
| R409 | 20512683 | CF, 68K OHM, 1/6W, J |
| R410 | 20512103 | CF, 10K OHM, 1/6W, J |
| R411 | 20512223 | CF, 22K OHM, 1/6W, J |
| R412 | 20512101 | CF, 100 OHM, 1/6W, J |
| R413 | 20512821 | CF, 820 OHM, 1/6W, J |
| R414 | 20512102 | CF, 1K OHM, 1/6W, J |
| R415 | 20512473 | CF, 47K OHM, 1/6W, J |
| R416 | 20512124 | CF, 120K OHM, 1/6W, J |
| R417 | 20512103 | CF, 10K OHM, 1/6W, J |
| R418 | 20512103 | CF, 10K OHM, 1/6W, J |
| R419 | 20512103 | CF, 10K OHM, 1/6W, J |
| R420 | 20512102 | CF, 1K OHM, 1/6W, J |
| R421 | 20512102 | CF, 1K OHM, 1/6W, J |
| R422 | 20512102 | CF, 1K OHM, 1/6W, J |
| R423 | 20512102 | CF, 1K OHM, 1/6W, J |
| R424 | 20512102 | CF, 1K OHM, 1/6W, J |
| R425 | 20512272 | CF, 2.7K OHM, 1/6W, J |
| R426 | 20512104 | CF, 100K OHM, 1/6W, J |
| R427 | 20512123 | CF, 12K OHM, 1/6W, J |
| R428 | 20512100 | CF, 10 OHM, 1/6W, J |
| R429 | 20512104 | CF, 100K OHM, 1/6W, J |
| R430 | 20512123 | CF, 12K OHM, 1/6W, J |
| R431 | 20512103 | CF, 10K OHM, 1/6W, J |

| Location No. | Part No. | Description |
|---|---|---|
| R432 | 20512470 | CF, 47 OHM, 1/6W, J |
| R433 | 20512103 | CF, 10K OHM, 1/6W, J |
| R501 | 20512683 | CF, 68K OHM, 1/6W, J |
| R502 | 20512683 | CF, 68K OHM, 1/6W, J |
| R503 | 20512103 | CF, 10K OHM, 1/6W, J |
| R504 | 20512103 | CF, 10K OHM, 1/6W, J |
| R505 | 20512683 | CF, 68K OHM, 1/6W, J |
| R506 | 20512683 | CF, 68K OHM, 1/6W, J |
| R507 | 20512272 | CF, 2.7K OHM, 1/6W, J |
| R508 | 20512272 | CF, 2.7K OHM, 1/6W, J |
| R509 | 20512153 | CF, 15K OHM, 1/6W, J |
| R510 | 20512153 | CF, 15K OHM, 1/6W, J |
| R511 | 20512680 | CF, 68 OHM, 1/6W, J |
| R512 | 20512680 | CF, 68 OHM, 1/6W, J |
| R513 | 20512472 | CF, 4.7K OHM, 1/6W, J |
| R514 | 20512472 | CF, 4.7K OHM, 1/6W, J |
| R515 | 20512332 | CF, 3.3K OHM, 1/6W, J |
| R516 | 20512332 | CF, 3.3K OHM, 1/6W, J |
| R517 | 20512474 | CF, 470K OHM, 1/6W, J |
| R518 | 20512474 | CF, 470K OHM, 1/6W, J |
| R519 | 20512222 | CF, 2.2K OHM, 1/6W, J |
| R520 | 20512222 | CF, 2.2K OHM, 1/6W, J |
| R521 | 20512103 | CF, 10K OHM, 1/6W, J |
| R522 | 20512103 | CF, 10K OHM, 1/6W, J |
| R523 | 20512222 | CF, 2.2K OHM, 1/6W, J |
| R524 | 20512470 | CF, 47 OHM, 1/6W, J |
| R525 | 20512472 | CF, 4.7K OHM, 1/6W, J |
| R526 | 20512471 | CF, 470 OHM, 1/6W, J |
| R527 | 20512225 | CF, 2.2M OHM, 1/6W, J |
| R528 | 20512680 | CF, 68 OHM, 1/6W, J |
| R529 | 20512683 | CF, 68K OHM, 1/6W, J |
| R550 | 20512103 | CF, 10K OHM, 1/6W, J |
| R601 | 20512223 | CF, 22K OHM, 1/6W, J |
| R602 | 20512223 | CF, 22K OHM, 1/6W, J |
| R603 | 20512103 | CF, 10K OHM, 1/6W, J |
| R604 | 20512103 | CF, 10K OHM, 1/6W, J |
| R605 | 20512562 | CF, 5.6K OHM, 1/6W, J |
| R606 | 20512562 | CF, 5.6K OHM, 1/6W, J |
| R607 | 20512153 | CF, 15K OHM, 1/6W, J |
| R608 | 20512153 | CF, 15K OHM, 1/6W, J |
| R609 | 20512153 | CF, 15K OHM, 1/6W, J |
| R610 | 20512153 | CF, 15K OHM, 1/6W, J |
| R611 | 20512391 | CF, 390 OHM, 1/6W, J |
| R612 | 20512391 | CF, 390 OHM, 1/6W, J |
| R621 | 20512563 | CF, 56K OHM, 1/6W, J |
| R622 | 20512563 | CF, 56k OHM, 1/6W, J |
| R701 | 20512822 | CF, 8.2K OHM, 1/6W, J |
| R702 | 20512103 | CF, 10K OHM, 1/6W, J |
| R703 | 20512473 | CF, 47K OHM, 1/6W, J |
| R704 | 20512472 | CF, 4.7K OHM, 1/6W, J |
| R705 | 20512471 | CF, 470 OHM, 1/6W, J |
| R706 | 20512221 | CF, 220 OHM, 1/6W, J |
| R801 | 20512563 | CF, 56K OHM, 1/6W, J |
| R802 | 20512563 | CF, 56K OHM, 1/6W, J |
| R803 | 20512103 | CF, 10K OHM, 1/6W, J |

| Location No. | Part No. | Description |
|---|---|---|
| R804 | 20512473 | CF, 47K OHM, 1/6W, J |
| R805 | 20512222 | CF, 2.2K OHM, 1/6W, J |
| R807 | 20512334 | CF, 330K OHM, 1/6W, J |
| R809 | 20512123 | CF, 12K OHM, 1/6W, J |
| R810 | 20512560 | CF, 56 OHM, 1/6W, J |
| R811 | 20512123 | CF, 12K OHM, 1/6W, J |
| R812 | 20512689 | CF, 6.8 OHM, 1/6W, J |
| R813 | 20512123 | CF, 12K OHM, 1/6W, J |
| R814 | 20512222 | CF, 2.2K OHM, 1/6W, J |
| R815 | 20512103 | CF, 10K OHM, 1/6W, J |
| R817 | 20512392 | CF, 3.9K OHM, 1/6W, J |
| R819 | 20512151 | CF, 150 OHM, 1/6W, J |
| R821 | 20512151 | CF, 150 OHM, 1/6W, J |
| R822 | 20512151 | CF, 150 OHM, 1/6W, J |
| R824 | 20512561 | CF, 560 OHM, 1/6W, J |
| R825 | 20512151 | CF, 150 OHM, 1/6W, J |
| R826 | 20512151 | CF, 150 OHM, 1/6W, J |
| R827 | 20512102 | CF, 1K OHM, 1/6W, J |
| RT201 | 22659026 | VARIABLE, SEMI FIXED, 10K-B FREE RUN |
| VR501 | 22657499 | VARIABLE, 50KX2 OHM, SLIDE BALANCE |
| VR502 | 22657500 | VARIABLE, 50KX2 OHM, SLIDE VOLUME |
| VR601 | 22657501 | VARIABLE, SLIDE TYPE EQ CONTROL |
| VR602 | 22657501 | VARIABLE, SLIDE TYPE EQ CONTROL |
| VR603 | 22657501 | VARIABLE, SLIDE TYPE EQ CONTROL |

## ACCESSORIES

| | | |
|---|---|---|
| ⚠ AC01 | 22176541 | POWER CORD (EUROPE) |
| ⚠ AC01 | 22176578 | POWER CORD (UK) |
| AC02 | 22908548 | OWNER'S MANUAL (EUROPE) |
| AC02 | 22908549 | OWNER'S MANUAL (UK) |

**TOSHIBA CORPORATION**
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105, JAPAN